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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/682,050	10/09/2003	Sidney E. Clark	03014/1086	8135
4743 7.	590 03/17/2005		EXAM	NER
MARSHALL, GERSTEIN & BORUN LLP			BARRY, CHESTER T	
	6300 SEARS TOWER 233 S. WACKER DRIVE		ART UNIT	PAPER NUMBER
CHICAGO, IL 60606			1724	
			DATE MAILED: 03/17/2009	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/682,050	CLARK ET AL.				
Office Action Summary	Examiner	Art Unit				
	Chester T. Barry	1724				
The MAILING DATE of this communication apperiod for Reply	ppears on the cover sheet w	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP	IVIC CET TO EVOIDE OR	AONTH/S) FROM				
THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perion - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	l. 1.136(a). In no event, however, may a septy within the statutory minimum of third d will apply and will expire SIX (6) MON afe. cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133)				
Status		,				
1) Responsive to communication(s) filed on 04	June 2004.	·				
	is action is non-final.					
3) Since this application is in condition for allow	· <u> </u>					
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D). 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-25 is/are pending in the applicatio	n.					
4a) Of the above claim(s) is/are withdr	awn from consideration.					
5) Claim(s) is/are allowed.		•				
6) Claim(s) <u>1-6,8,11,14,16, 17 and 22-25</u> is/are	rejected.					
7) Claim(s) <u>7,9,10,12,13,15 and 18-21</u> is/are objected to.						
8) Claim(s) are subject to restriction and	or election requirement.					
Application Papers						
9)⊠ The specification is objected to by the Examir	ner.					
10)⊠ The drawing(s) filed on <u>1/26/04</u> is/are: a)□ a	ccepted or b) objected to	b by the Examiner.				
Applicant may not request that any objection to the	e drawing(s) be held in abeyar	nce. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the corre	ction is required if the drawing	(s) is objected to. See 37 CFR 1.121(d).				
11) \square The oath or declaration is objected to by the E	Examiner. Note the attached	Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. §	3 119(a)-(d) or (f).				
a)☐ All b)☐ Some * c)☐ None of:	^					
 Certified copies of the priority documer 	nts have been received.					
Certified copies of the priority documer	nts have been received in A	pplication No				
Copies of the certified copies of the price		received in this National Stage				
application from the International Burea						
* See the attached detailed Office action for a lis	t of the certified copies not	received.				
•						
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 		s)/Mail Date nformal Patent Application (PTO-152)				
Paper No(s)/Mail Date <u>6/4/04</u> .	6) Other:	· · · · · · · · · · · · · · · · · · ·				

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Application/Control Number: 10/682,050

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Claims 1, 2, 4, 5, 8, 14, 17, 22, 23, 24, 25 are rejected under 35 USC Sec. 102(b) as anticipated by Prince.

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USP 3997437 to Prince describes an anaerobic sludge digester comprising a sloped bottom, a middle section, and a top section. There is a lower draft tube (124, for drawing material from the bottom of the vessel), an upper draft tube (156, for discharging material to the upper portion of the vessel), and a pump 132 for causing liquid to flow through both the upper draft tube and the lower draft tube. Per claim 14, material flows with a downward component through the upper draft tube (near where element 104 appears) and upward through the entrance to the other draft tube (near where element number 116 appears). Per claim 24, froth or foam is generated at the top because the liquid discharge from the upper draft tube is above the liquid surface in the vessel, thereby allowing air to be entrained below the liquid level thereby forming froth or foam.

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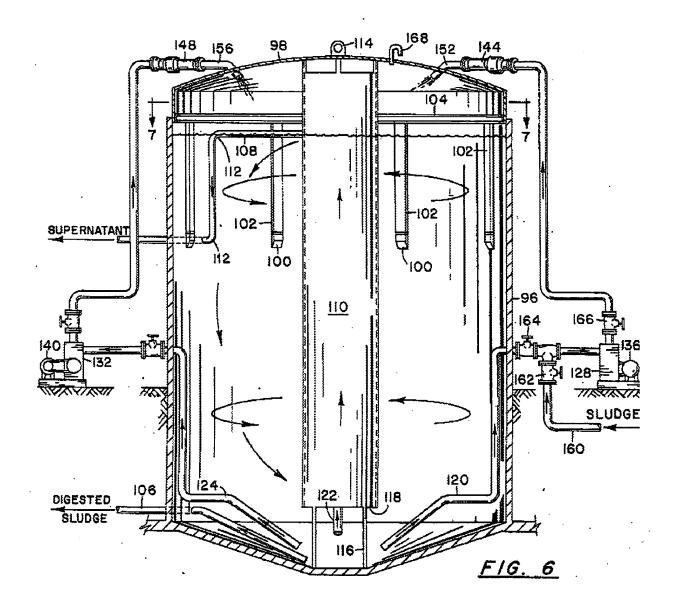


Fig. 1 - 5 of the application were compared to applicant's earlier patents (cited by applicant). Fig 1 - 5 are objected to for failing to bear the legend, "Prior Art." Similarly, the specification is objected to failure to state that the subject matter shown in Fig 1 - 5 is prior art. Correction is required.

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Claims 3, 11 are rejected under 35 USC Sec. 103(a) over Prince. It would have been

obvious to have used any known pumping mechanism, e.g., a jet pump, to circulate the

fluid described by Prince.

Claim 16 is rejected under 35 USC Sec. 103(a) over Prince and Raven '944. According

to USP 6454944 to Raven, most sludge digesters today have capacities in the 1 – 3 MM

gal range. It would have been obvious to have provided a Prince digester in that

commercial range, e.g., 3 MM gal.

Claim 6 is rejected under 35 USC Sec. 103(a) over Prince and USP 5409610 to Clark.

Clark describes an egg-shaped sludge digester. It would have been obvious to have

selected any known digester shape, such as the egg shape described by Clark '610, in

order to achieve the advantages described for that type of digester shape.

Claims 7, 9, 10, 12, 13, 15, 18 - 21 are objected to as being dependent on a rejected

base claim, but would be allowable if presented in independent form.

PRIMARY EXAMINER

571-272-1152

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